

## Happy trails

After more than three decades at the U of A, Brian Silzer says so long.

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## Smart debt

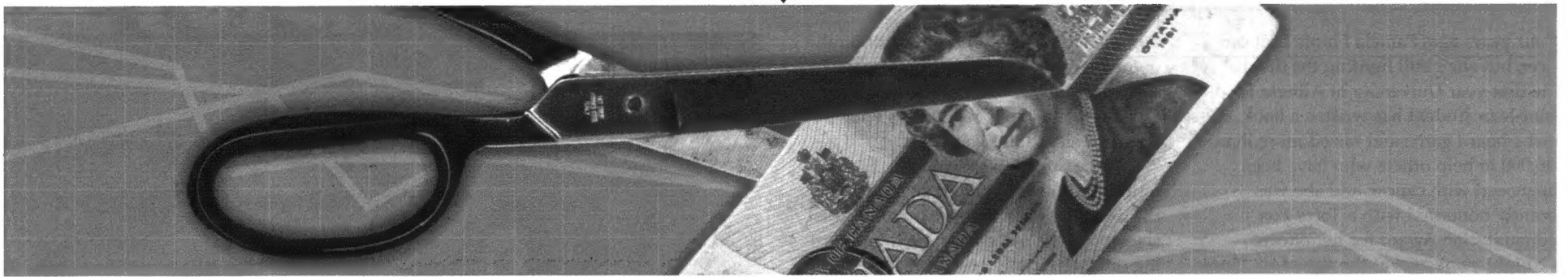
The U of A board of governors passes a deficit budget in order to maintain momentum and avoid rash cuts.

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## The horror, the horror

Lt.-Gen. Romeo Dallaire on Rwanda and the fate of children.

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UNIVERSITY OF ALBERTA

# folio

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## U of A researchers attract \$20 million AHFMR research funds contribute to brain gain

By Richard Cairney

It's a scene all too familiar for emergency room physicians: a young, active person is involved in an accident and suffers a spinal cord injury, causing paralysis.

"It is among the most devastating of injuries because it occurs so often in young people, from the ages of 16 to 30," said Dr. Vivian Mushahwar, a University of Alberta biomedical engineer who works in the area of nerve damage and repair. "You want to do something to improve their quality of life."

Mushahwar uses a technique known as intraspinal microstimulation (ISMS), which involves implanting fine, hair-like wires inside the spinal cord and passing electrical pulses through these wires to bring about functional movements of the legs. ISMS could provide a much less invasive alternative to the existing implantable systems that are currently used to help people suffering paralysis regain limb movement and control.

"Some of these people have metres of wire in their legs," she said of existing implants that practically "wire" entire limbs to allow patients to, for example, stand up or make a clenched fist.

While other researchers have focused on stimulating muscle or nerves, Mushahwar has chosen to stimulate the spinal cord itself. She believes the same results can be achieved by tapping into existing "circuitry" found in an area of the lower back called the lumbar enlargement.

"All of the nerves in the legs have their origins coming out of that region," she said. Research involving animal models has shown promise. And although she emphasizes that her work is experimental, results so far imply that "perhaps we will be able to restore walking through



Dr. Vivian Mushahwar is one of 27 U of A researchers sharing \$20 million in new funding from the Alberta Heritage Foundation for Medical Research. A biomedical engineer, Mushahwar is researching intraspinal microstimulation (ISMS), which involves implanting wires inside the spinal cord to bring about functional movements of the legs.

this technique."

Mushahwar's research has received a significant financial shot in the arm, with the Alberta Heritage Foundation for Medical Research announcement of \$20.2 million in new funding for U of A researchers. Twenty-seven researchers from five faculties at the U of A will share in the grants, which will cover costs for personnel, equipment and maintenance for five years. The AHFMR made the funding announcement as it unveiled approximately \$45 million in awards for Alberta-based researchers. Established 20

years ago, the AHFMR has contributed more than \$350 million to research at the U of A.

Mushahwar said the funding played an important role in her decision to come to the U of A from the University of Utah in 1998. But it wasn't simply the prospect of receiving funding for her own research that she found enticing—it was also the fact that AHFMR funds other researchers searching for new ways to help patients suffering from spinal cord injuries.

AHFMR's 2002 personnel awards include a number of investigators work-

ing in this area in three different faculties—Heritage Scholars Mushahwar in Medicine, Dr. Karim Fouad in Rehabilitation Medicine, and Dr. David Collins in Physical Education and Recreation. In addition, Dr. Tessa Gordon, who was renewed as a Heritage Scientist in the Faculty of Medicine, studies recovery after nerve injury and disease, and Independent Establishment Grant recipient Dr. John Misiaszek in the Faculty of Rehabilitation Medicine studies neural control and balance recovery for walking.

The U of A's Dr. Tapio Videman is the first ever awardee in the new Heritage Health Scientist category. Dr. Videman is a member of the Rehabilitation Medicine faculty and studies the factors that cause spine deterioration.

"The University of Alberta is one of the few places in the world that allows you to have so many researchers looking at the problems of spinal cord injuries from so many different angles," said Mushahwar. "It's great—I really wanted to be a part of the U of A."

Other 2002 U of A awardees include Dr. Redwan Moqbel in the Faculty of Medicine, who studies lung health and asthma; Dr. Judith Spiers in Nursing, who examines denial in adolescents with diabetes; and Professor Tim Caulfield in Law, who investigates regulation and genetics. Dr. Christine Friedenreich with the Alberta Cancer Board examines the relationship between physical activity and cancer risk.

With the new personnel awards, to be implemented on July 1, 2002, AHFMR will have contributed a total of over \$700 million to the Alberta medical research community. ■

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# Young survivor earns national award

*Pamela Finnie is helping others in their struggle against cancer*

By Tara Strudwick

Four years ago, Pamela Finnie beat cancer, but she's still fighting the disease. The first-year University of Alberta Faculty Saint-Jean student has written a book, created a board game and raised more than \$16,000 to help others who have been diagnosed with cancer, and she was recently honoured with a Terry Fox Humanitarian Award for her efforts.

Eight years ago, at the age of 10, Finnie was diagnosed with acute lymphoblastic leukemia, the most common form of childhood cancer. The disease affects the lymphocyte-producing cells in the bone marrow, weakening the immune system. Her doctor told Finnie she would have to undergo years of chemotherapy and radiation treatment. She hopes this May will mark five years that she has been free of the disease.

"Cancer totally changed who I was. After being diagnosed, I realized you have to take advantage of what there is because you never know what's around that corner," Finnie said.

For Finnie, taking advantage of what there is means helping others who have cancer turn their negative situation into a positive one. "When I was sick, I had a strong support network of family and friends who helped me to keep a positive

attitude and a sense of humour throughout my treatments. I know how crucial that was to my recovery, so now I want to give the same support to others who are in the same situation I was."

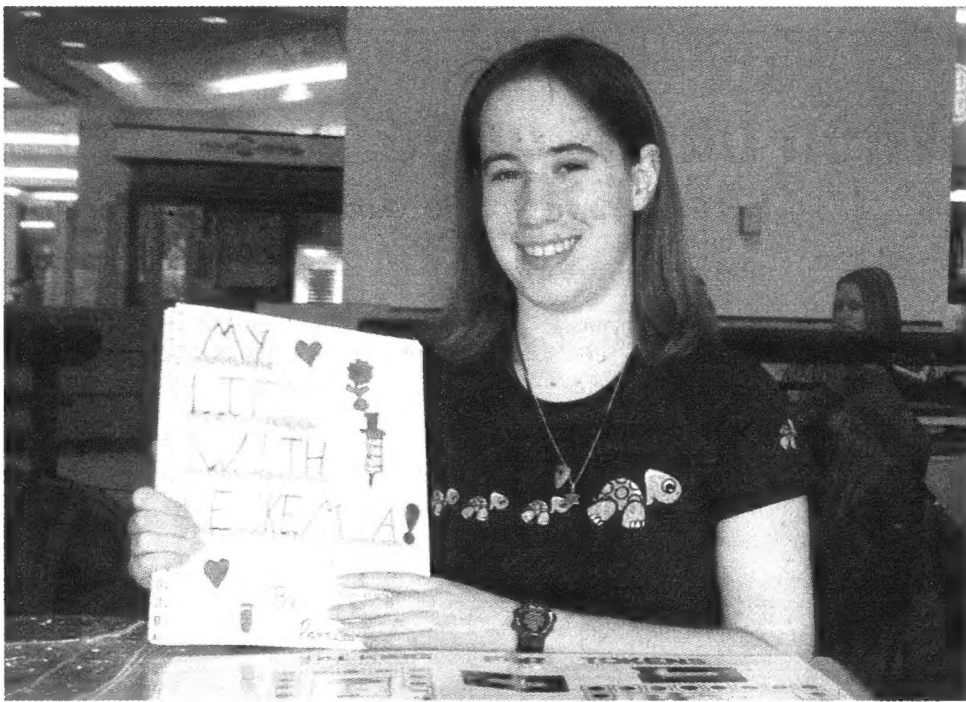
At the time of her diagnosis, Finnie found it difficult to talk to anyone about the disease, so she and her mom decided she would write about it. She found writing therapeutic and has since compiled all of her stories, thoughts, and experiences into a comprehensive book entitled, *My Life with Leukemia*.

Finnie also used her creativity and experience to create a board game to help cancer-stricken children and their families communicate about how the disease affects them. She uses her game, *Talking for Tokens*, when making presentations and meeting young people who have been newly diagnosed with the disease.

Finnie also provides support by speaking at national events and sitting on the national executive for Candlelighters Canada, an organization that provides support for children diagnosed with cancer, and their families.

An honours student, Finnie plans to become a pediatric oncologist so she can continue to help young people diagnosed with cancer.

"She has faced great adversity in her life but has responded by turning it into something positive for herself and, more importantly, for other people," said Paul Carriere, Finnie's high school principal in Golden, B.C., her hometown.



Pamela Finnie has turned her experience with cancer into a positive for others who are battling the disease. Finnie hopes to become a pediatric oncologist.

A sporting enthusiast, Finnie isn't obsessed with cancer, but has been recognized many times for her dedicated work to help others with the disease. She is most proud of the Terry Fox Humanitarian Award she received two years ago, because Fox is her role model. Twenty of the awards are given each year to people who reflect the spirit of Fox, the young, one-legged Canadian who tried to run across Canada to raise money for cancer

research before succumbing to the disease himself.

"When he told people that he was going to run across Canada to raise awareness for cancer research they said he couldn't do it, but he persevered and kept working at reaching his goal," Finnie said. "When people tell me that I can't do something, I just stay focused and determined and I know that I can achieve anything I want to."

## folio

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## Paper trail will support Metis land claim

*Native Studies director earns Aboriginal Justice Award*

By Richard Cairney

When the Metis Nation of Saskatchewan filed a land claim in 1994, a meticulous hunt for historic records was launched to support the case. The group needed help, so they went to Dr. Frank Tough, director of the University of Alberta School of Native Studies.

Tough has formed the Metis Aboriginal Title Research Initiative – X (matriX) project to investigate historical land use of the Metis in northwestern Saskatchewan and federal scrip policies of the late 19th and early 20th centuries. Rather than negotiate treaties as it did with First Nations, the federal government offered Metis individuals scrip, a coupon that could be redeemed for land. The result is a complex paper trail documenting thousands of transactions.

The matriX project, a research contract among the Metis Nation of Saskatchewan, the Metis National Council and the U of A, involves detailed examination of historic records, said Tough. He and a group of students are conducting a sort of forensic archival research, trying to coax history from hundreds of thousands of documents.

"I've been working with archives for about 20 years now and it always seems like a bottomless pit," he said. "There is quite a mass of records that are related to titles and tenures in Western Canada."

Tough estimates millions of department of interior files were passed to the Prairie provinces after the transfer of natural resources in 1930. Only about 30,000 of those files remain in the National Archives of Canada but Tough and his group are doing the best they can with what they have.

"You are looking at documentation of the administration of western lands from 1870 until 1930. We are data-basing everything . . . sometimes we've had to look at individual records about five times to have them verified."

In recognition of Tough's research, as

well as services he provides as an expert witness in aboriginal law cases, the U of A Aboriginal Law Students Association has presented Tough with this year's Aboriginal Justice Award.

The award is granted each year to recognize people who have made significant contributions in the area of aboriginal law.

"That can be land claims and rights or criminal justice," said association secretary Clayton Leonard, a second-year law student and graduate of the School of Native Studies.

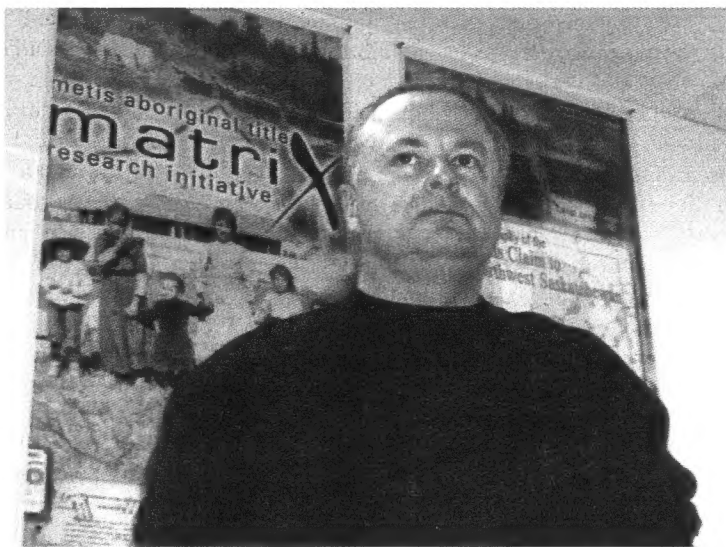
This year, for the first time ever, the award has been given to someone outside of the legal profession.

"Frank is unique because he is the first person not working directly in the legal field to receive the award. He has been an expert witness in a number of Metis cases dealing with hunting and fishing rights."

The matriX project could help settle an important case—the Metis Nation of Saskatchewan's claim seeks roughly one-quarter of the entire province.

"It is a test case that will examine the whole question of Metis rights to land and Frank has led a team of at least a dozen students, undergrads from Native Studies and myself and another law student on research trips to Saskatoon, Ottawa and the Hudson Bay archives in Winnipeg."

And, Leonard adds, Tough is on the leading edge of an important area of law. "I think Metis rights and Metis land claims are an emerging area of aboriginal law and as far as research methodology goes, Frank



Dr. Frank Tough is spearheading a massive research project into Metis land claims.

is setting the standard."

Leonard said students value the research not only for its educational benefits but also for the contribution it may make to Canadian law.

"It is important in a justice perspective because there is not a lot of jurisprudence on Metis scrip—there is almost none," he said. "They (courts) are going to rely on how much research there is and how comprehensive it is. We may overwhelm them."

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# When bad is good

*The U of A's deficit budget will prove to be good news for faculty and students*

By Terese Brasen

On March 8, the Board of Governors approved the University of Alberta's 2002-03 budget. A similar ritual occurs every spring but this year's ritual wasn't easy or routine. For the first time in more than a decade, the board approved a budget with a deficit—a \$2.7 million deficit. University administration also tabled a four-year strategic plan that forecasts two more years of deficits, \$7.6 million in 2003-04 and \$10 million in 2004-05.

Before September 11, universities across North America had budget problems because operating budgets that pay salaries and keep lights on have not kept pace with inflation. After September, that fiscal problem darkened. For years, money had been hard to find. Now it would be even harder.

The U of A faced several immediate blows. Investment income was \$5 million less than expected. Soon after, the Government of Alberta revised its budget. Short of cash, the University of Alberta didn't immediately consider running a deficit. In fiscally responsible Alberta, we don't run deficits. In fact, the Alberta Universities Act appears to prohibit it.

"The Act says you cannot run a deficit without permission from the minister of learning," said Philip Stack, the U of A's director of resource planning. "You also need a plan showing how you will correct that deficit."

Decision made. The U of A augmented its four-year strategic plan with a budget plan that shows deficits for three years then a good news surplus in the last year of the four-year planning cycle. In January, the university asked faculties and administrative units to cut \$14.3 million over the next four years. The four-year plan also forecasts another \$21 million in new revenue and an additional \$3.4 million in cuts. Over the next four years, cuts and new revenue will add up to a \$12.2 million surplus by 2005-06.

Speaking at the March board meeting, Provost and VP (Academic) Dr. Doug Owram explained that deficit budgets will allow faculties to continue attracting research dollars, developing labs, upgrading classrooms and hiring lab assistants and graduate students.

"The University of Alberta continues to grow, and we can't allow a short-term downturn to interfere with more than 90 years of success and growth," said Owram. "The University of Alberta is committed to excellence in teaching and research and we owe it to Albertans to stay focused on our vision as one of Canada's finest universities. The most prudent course of action is to take a deficit now and pay it off over the course of the planning cycle."

Universities across Canada are adjusting their budgets. On April 5, the University of Calgary will ask its board to approve a \$6.2 million deficit on a consolidated cash basis, while the University of Lethbridge is cutting 10 per cent over the next three years, plus using up reserves.

McGill University has signed a performance contract with the Quebec government. In return for increased funding, McGill made a commitment not to run a deficit next year. To balance the books, the university will have to find ways to "slow down" spending, McGill's VP of Administration and Finance Morty Yalovsky told McGill's Senate last month.

"We balanced this year," said Real Del Degan, director of the principal's office at McGill. The university generated \$8 million when, just before September 11, it sold stock in a spin-off company for \$40 a share. The stock is now worth 15 cents a share.

Queen's University in Kingston must cut four per cent or \$8.5 million next year and anticipates similar cuts in the following two years. The University of Toronto is considering a four or five-per-cent budget cut over the next two years. Provost Adel Sedra anticipates a \$25 million deficit by 2003-04. The university's 2003-04 budget calls for \$100 million in new expenses, and U of T revenue will only cover three-quarters of it. The University of Western Ontario has already reduced 2001-02 operating budgets by three per cent.

In B.C., the new provincial government plans to balance its budget by 2004-05, despite a forecasted deficit of over \$6 billion.

The impact on universities is still unclear, although the province has already lifted its freeze on tuition and passed Bill C-28, the Public Education Flexibility and Choice Act, which gives colleges the right to increase class sizes and to require faculty to take on more students.

On March 5, the Ontario Confederation of University Faculty Associations presented a brief to the Ontario government's Standing Committee on Finance and Economic Affairs. The brief called for an increase of \$200 million in Ontario universities' base operating grants each year for the next two years. "The government's under funding of post-secondary education," stated the brief, "has made it difficult for Ontario universities to continue providing quality education."

Last year, the Canadian Association of University Teachers (CAUT) published The Growing Funding Gap, stating that, "The continuing failure of both levels of government to adequately invest in universities and colleges holds dire consequences for Canada's future economic and social development."

The association blames design flaws in the Canada Health and Social Transfer (CHST), the federal transfer program introduced in 1996 to replace both the Established Programs Financing (EPF) and the Canada Assistance Plan (CAP). CHST is block funding, "meaning federal cash transfers flow into general provincial revenues with no accountability

as to how these contributions are spent, if spent at all."

Although the federal government may want this money to go towards education, CAUT says most provinces are not spending federal transfers on post-secondary education. "These flaws in the design of

CHST have allowed the two levels of government to bicker over funding arrangements and jurisdiction, while support for universities and colleges has fallen through the cracks."

Recognizing CHST funding may not be going towards post-secondary education, the federal government has created special programs outside the CHST. These include Canada Research Chairs, Canada Foundation for Innovation (CFI) and Millennium scholarships. This year, the federal government also provided special one-time funding to help universities pay the indirect costs of research, such as the cost of setting up and

running labs.

In Quebec, the provincial government is considering clawing back McGill's share of indirect research funding. "Education is a provincial jurisdiction, and the Quebec government doesn't like the federal government injecting money directly into universities," said Del Degan. "When the Millennium scholarships came in, Quebec claimed its part and said it did not want the federal government to allocate any such scholarships on their behalf."

South of the border where there is no CHST just the aftershock of September 11, a long list of universities has money problems. The January 11 issue of the Chronicle of Higher Education writes that California faces a \$12.4 billion budget shortfall by the end of the fiscal year in June, the biggest decline in revenues since the Second World War. The University of California has asked for an additional \$3.65 billion, while the California State universities have asked for \$2.8 billion. In South Carolina, public colleges and other state agencies may need to cut their budgets by 10 to 12 per cent in 2002-03. In Massachusetts, the legislature slashed

seven per cent (about \$70 million) from the state's higher education budget in the current fiscal year. The cuts will continue next year.

While universities continue tightening and are looking for hard-to-find dollars, a university education has become a sought-after commodity. Ontario universities are expecting 90,000 new students over the next decade. From 2000-01 to 2001-02, enrolment at the U of A jumped more than four per cent, following a six-per-cent increase in the previous five years.

As the U of A reviews its books, the only way to stay ahead in the knowledge economy is to gamble with deficit budgets. "We are witnessing a long-term increase in the demand for university graduates and research which reflects the transition in advanced economics toward a knowledge economy," Paul Davenport, president of the University of Western Ontario, told the Canadian Association of Economics Annual Meeting last June. Back at the U of A, board member Brian Heidecker understands the fiscal reality of Davenport's words.

With his eyes on the prize of a top place in Canada's university market, Heidecker defends the decision to overspend now so we can continue attracting research dollars and top faculty. "The rest of the pack is moving along as fast as it can too," said Heidecker. "We have a quantum lead on many of these people. And if we want to be national and world leaders, we can't afford to give it away. If we do, we will start losing star scientists and our ability to attract some of the ones that we want."

"It is not a question of if the cash is going to show up," he adds. "It is a question of when. We have to take our blinkers off, look past the way we have always done business and be imaginative and innovative about how to keep the momentum going." ■

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— Board member Brian Heidecker





# message from the • president

## The challenge: institutional excellence

*Initiative touches on every aspect of our campus*

Dr. Rod Fraser



Continuing our look at the University of Alberta's four Key Strategic Initiatives (KSI), this month's focus will be on the third KSI: The university will achieve institutional excellence. There are three aspects of this KSI: Attract and retain outstanding faculty, researchers and staff; attract and allocate the necessary resources to achieve the university's mission; and, renew and enhance the university's infrastructure and provide high-quality services to meet the needs of the future.

We are on path to our target of refilling 35 per cent of our continuing faculty positions. Strategically, this initiative is one of the most important in terms of maintaining and enhancing excellence in scholarship and learning. Attracting the best and brightest professors will enable us to maintain the university's most important asset; our faculty, but it will also serve to attract outstanding students and students with outstanding potential.

The retention of faculty is a function, amongst other things, of the working, business and tax environments, quality of life, and salaries. Salaries must be addressed as other North American universities are beginning their faculty renew-

al and many are in a position to offer higher salaries to our best faculty and to the best new talent. Key considerations for addressing faculty recruitment and retention include:

Salary

Research base support

Government financial commitment to excellence in the university and research funding systems

Building the University of Alberta's national and international profile.

In order to attract and allocate the necessary resources to achieve the university's mission it is critical that we focus on the overall operating budget. While the decline in real base government funding per student has been arrested the past two years, it had fallen substantially since 1980-81 when it was 67 per cent higher than it is today.

While tuition has been rising steadily over the last several years, the combination of tuition and real base government grants per student has also fallen significantly and in 1980-81, the combination of government base grants and tuition was 30 per cent higher than it is today.

To renew and enhance the university's

infrastructure and provide high-quality support services to meet the needs of the future we must provide quality learning and research-based environments and aggressively compete for research dollars. Yet we must note that as research grants grow, the need for quality research space grows in parallel. For example, in the medical sciences, for each \$1 million in research funding we currently have about 5,000 square feet in research space.

The university also has to consider the indirect costs of research. In the last federal budget the government introduced a one-time grant to cover part of the indirect costs of research. Although this one-time grant is welcome, we must work to ensure that the government addresses this ongoing issue.

Housing and Food Services (HFS) is being overwhelmed by applications for residence that it currently cannot satisfy. Between September 1998 and September 2002, total residence applications increased by 44 per cent. In 2001-02, HFS had a waiting list in excess of 1400 students, primarily in the area of undergraduate residents. The demand for resident housing is driven by two factors: the increasing enrol-

ment; and, HFS operates in a market where the vacancy rates are low and rents in non-university-owned buildings are continuously increasing. At the same time, the university is committed to recruiting and satisfying outstanding students. The ability to provide residence facilities to these students is critical.

The U of A has just completed an initial phase of unprecedented growth and is about to begin another, even larger phase of new building projects and infrastructure upgrades. The university will continue to direct considerable resources and activity to functional renewal in research and teaching spaces, including the continuation of the very successful "smart classroom" development plan.

The U of A will not waver from its vision of being indisputably recognized or from its aggressive vision of competing internationally for students, teaching programs and researchers. Nor will it waver from its commitment to financial sustainability. These are not easy tasks, but neither is being indisputably recognized.

Next month's article will focus on the fourth KSI: Enhance and build connections with our communities. ■

## Agreement will increase number of Mexican grad students

*U of A strengthens relationships with Mexican agencies*

By Richard Cairney

A University of Alberta mission to Mexico has resulted in contracts that will help draw more of that country's strongest graduate students to the U of A and promote co-operative research projects.

"We had a really productive trip that is the culmination of work we've been doing since the mid 1990s," said Dr. Brian Stevenson, the U of A's vice-president (international). "A lot of things we've been working on for a long time have really come together now."

Stevenson said the trip, headed by U of A President Rod Fraser, sealed important agreements as part of a broader strategy to strengthen the U of A's relationships in Central America.

One agreement, with the National Commission of Science and Technology (CONACYT), will increase the number of

Mexican graduate students who may attend the U of A to 50 from 15. The agency is Mexico's national science and technology granting agency, equivalent to the Natural Sciences, Engineering and Research Council of Canada.

"The number of (Mexican) students interested in the U of A has increased so dramatically, from three students in 1999 saying they wanted the U of A as their first preference to last year's—125 students—and that is thanks to a joint promotional work with the department of graduate studies we are doing down there.

"Last year we had 12 or 13 students come from Mexico and considering that 2-1/2 years ago we had zero, that is a real leap. Given that trend, CONACYT said they wanted to expand that number."

The agreements include a cost-sharing

arrangement in which CONACYT covers first 2-1/2 years of costs and the students receive teaching or research assistant positions in their third and fourth year.

"What we get is top students from Mexico and their first 2-1/2 years covered, so everybody wins," said Stevenson. "These are the top five per cent of students in Mexico. And we are replicating that around the world."

A second agreement is a letter of intent to "deepen our relationship quite substantially" with Mexican researchers and schools, Stevenson added.

The U of A also signed important partnership agreements to develop relationships in agriculture and forestry research and education. Stevenson said the U of A is the first and only foreign university to sign agreements with

Mexico's National Forest Commission, CONAFOR.

"They see the U of A as one of the top two or three universities in the area of forestry in the world, and they decided in their first round of agreements to sign with us."

Stevenson noted that almost every other group that CONAFOR signed agreements with is already a partner of the U of A.

"That means we're in the right circles," said Stevenson. "We were in very good company."

The U of A is also in negotiations to recruit professors from Mexican institutions to earn Phds in agriculture and forestry related studies here. Stevenson said talks are also underway to establish a joint research degree with Mexico's national petroleum institute. ■

## Arts profs blitz elementary school

*Partner developed for annual science blitz*

By Ryan Smith

During the seventeenth century, English boys (no girls—and only 10 per cent of the boys) went to school to learn Latin so they could enter one of four professions of the time: become a doctor, a lawyer, a minister or a teacher.

Dr. Leslie Cormack, a history professor at the University of Alberta, taught this to a class of 25 alert Grade 4 students at Windsor Park Elementary School recently. It was part of an incursion of 16 U of A Faculty of Arts professors who visited the local elementary school as part of an "Arts Blitz", a four-day series of presentations to instill the students with an interest in the arts.

"I think it's important for professors to

do more than research and teaching to older students; it's also important to get involved in the community," said Cormack, who wore the cloak of a seventeenth century magistrate while she spoke with the young students about the history of education.

"I usually do this two or three times a year. It's loads of fun for me. Nobody is more ready to learn than elementary students," she said.

The students also enjoyed Cormack's visit. "It's kinda cool when someone from outside (of the school) visits us," said Kelsy, a Grade 4 student at Windsor Park. "Today's lesson wasn't boring because she asked lots of questions and we all got to

speak a lot."

For many years, Windsor Park School has run an annual "Science Blitz" to spark an interest in the natural sciences among students.

"Many of the parents have felt that the arts deserved an equal voice," said Otilie Sanderson, the main organizer of the event.

"The response from the U of A staff to our idea has been exceedingly positive," Sanderson added. "I'm fairly certain presentations of this sort take more effort than lecturing to adults. It's not always easy pitching something to such a young audience."

"Was I nervous? Yeah," said Dr.

Patricia Clements, an English professor and the former dean of arts at the U of A. Clements launched the Arts Blitz with an introduction to the whole school early Monday morning.

"I spent hours preparing notes and then promptly threw them aside as soon as they started asking questions," Clements said.

Other U of A professors and graduate students involved in the blitz included Dr. Ted Blodgett, Dr. Robert Burch, Duncan Fisher, Dr. Cressida Heyes, Dr. Catherine Kellogg, Dr. Hank Lewis, Dr. Philomina Okeke, Dr. George Pavlich, Dr. Frances Pownall, Dr. Jane Samson, Dr. Colleen Skidmore, Dr. Cheryl Suzack, Dr. Earle Waugh and Jerry White. ■



## Engineering facilities take the lead in 'green' practices

Editor, *Folio*:

In response to comments questioning the energy efficiency of the new Electrical & Computer Engineering Research Facility (ECERF) and the Engineering Teaching and Learning Complex (ETLC) in the Feb. 22 edition of *Folio* (*Planning for a greener campus*), I am pleased to provide information concerning steps taken to ensure advanced energy efficiency elements were incorporated into the design and operation of the ECERF and ETLC.

- The buildings benefit from steam and electricity produced in an energy-efficient manner by the co-generation facilities operated by the Utilities Department. Overall energy efficiencies of 80 per cent or higher are achieved by the co-generation facilities versus only 35 – 40 per cent when co-generation is not used.
- The facilities use high-efficiency lights while taking advantage of natural light opportunities. During daylight hours the lights in some offices are not even turned on.
- The windows have a special titanium-dioxide coating that increases the energy efficiency of the buildings by approximately five per cent. To my knowledge, this is the first time that this special coating has been used in the Edmonton area. Use of this special coating is now being incorporated in other new building designs in Edmonton.
- The buildings have a special heating-cooling system that makes them more energy efficient and provides a greater degree of personal comfort for the people in the buildings.
- Insulation levels meet and exceed the National Energy Code in order to

achieve energy efficient operation.

Entrance doors have vestibules with inner sets of doors, minimizing uncontrolled loss of building air.

- The mechanical air handling system recirculates approximately 70 per cent of the air in the facilities. This provides sufficient "fresh" outside air to ensure a healthy inside environment while being energy efficient in the re-use of the interior air that has already been heated, or cooled. In addition, the ventilation system will allow fresh air to cool the building when outside temperatures are less than 18 degrees Celsius. This relieves the energy demands on the air conditioning system.
- By placing the main air handling systems in the basement it is possible to use a significant amount of the energy from the 30 per cent of heated air that is not re-circulated. This is achieved by having the building air exhaust pass through and heat the underground parkade.
- Heating and air conditioning systems typically use fixed-speed pumps and fans to circulate heating and cooling fluids, independent of actual heating and cooling demands. The ECERF/ETLC use controlled-rate pumps and fans. When demand is low, these pumps and fans operate at low rates and consume far less energy than fixed-speed pumps and fans. In addition, all pumps and fans utilize high efficiency motors.
- The buildings have an extensive system of remote monitoring to detect inefficiencies in mechanical and electrical building systems.
- Our studies indicate the ECERF/ETLC will be approximately 25 per cent more energy efficient than the standards con-



Chris Ann Jeong

Design of the Faculty of Engineering's new Electrical and Computer Engineering Research Facility and the Engineering Teaching and Learning Complex incorporates leading-edge energy efficient elements.

tained in the federal Model National Energy Code for Buildings in Canada. In fact, the ECERF and ETLC are probably closer to 50 per cent more energy efficient than the specifications in the national code when our central chilled water supply and steam/electricity co-generation are also taken into account.

Many other aspects of the ECERF/ETLC design were examined to ensure energy efficiency was fully taken into account. Most of these design elements are never visible to the public because they are out of sight in the mechanical and electrical spaces of the buildings, or contained in the building

envelope, or involve items such as transparent coatings on the windows. Given the comments in the recent *Folio* story, it appears we should have been more proactive in informing the campus community of the advanced, energy-efficient design elements contained in the new engineering building. I believe the architectural and engineering design teams have done a superb job of providing outstanding facilities that will be energy efficient and demonstrate our campus' commitment to being environmentally sensitive.

Dr. David Lynch  
Dean, Faculty of Engineering

## Good start, but more work required on green campus

Editor, *Folio*:

I appreciated the last statement by Associate Vice-President Art Quinney in the Feb. 22 *Folio* article, *Planning for a greener campus*. He found it positive that the campus community is involving itself in university sustainability. This is, indeed, the spirit of a sustainable university.

I am anxious for a positive and stimulating convergence as we all put our heads around the question of what an environmentally responsible U of A would look like.

Taking steps towards greater environmental responsibility is an exciting proposition. There is so much that can be done that will not cost money, but will improve our campus lives. The *Folio* article put too much focus on energy-efficient architec-

ture. Sustainability is a continual process of adapting, ethically and procedurally, in all ways to a changing world, and not a final product. Alas, if the U of A campus were to rest on its sustainable laurels at this point, there would be no hope for the world.

Our campus appears to be in the throes of considering what it means to be a sustainable campus. This conversation is necessary. There are requests for follow-up information and comparisons with other institutions; there are questions of cost and what we can do within our budget; there is a focus, by some, on buildings, and by others on energy efficiency and water use. There is discussion about whose responsibility the issue of sustainability should become.

In the letter to the president signed by 49 professors on campus, we expressed a broad vision. We pointed to green procurement policy, revision of ethics protocols to factor in the environment as a component of human well-being, curriculum redesign, and strategies that facilitate success. We asked for a person to be installed who could guide and facilitate the development of a sustainable campus. We suggested the visioning process to be the first step. A sustainable campus is about all of us factoring sustainability into everything we do. And about students and the community learning how we are trying to take responsibility.

Turning off the lights is important, but we need to go further in our daily lives. Certain individuals and departments on

campus are doing what they can. We need a universally endorsed vision, accompanied by policies and standards, to encourage and facilitate such efforts so that they may be expanded and rewarded.

I respectfully request that our president facilitate a wider-ranging promotion of campus sustainability. This was the central goal of our petition.

And in the meantime, let an extensive environmental audit of the campus be conducted so that we have facts and figures for discussion at our disposal, as well as the ability to set targets. The University of Calgary has been doing this for years. Perhaps they could help us out.

Sandra Niessen  
Professor, Human Ecology

## Transit in a death spiral? Councillor differs with researcher.

Editor, *Folio*:

In *Folio*'s recent article *The last spike* about Edmonton's LRT system, Dr. Robin Lindsay was quoted commenting on 'falling ridership'.

Contrary to Dr. Lindsay's comments, the Canadian Urban Transit Association (CUTA) reports that ridership in Canadian

cities is up! While ridership fell in 1993/94 and 1994/95, it has been up every year since 1995 through 2001. Both Edmonton and U.S. cities show this same growth.

CUTA goes on to say that "what is most encouraging is that transit ridership is growing faster than our urban populations, indicating an increase in market

share and ridership per capita". In my mind this slow but steady growth brings a different focus to the LRT debate in Edmonton and the public support for public transportation.

Michael Phair  
Councillor, Ward 4  
Edmonton

### LETTERS WELCOME

*Folio* welcomes letters to the editor. Send your thoughts and opinions via e-mail to richard.cairney@ualberta.ca, fax at 492-2997, or by mail to *Folio*, Office of Public Affairs, 6th floor General Services Building, Edmonton, Alberta T6G 2H1. Letters may be edited for grammar, style, accuracy and length.



# 'He'll bleed green and gold'

**Registrar Brian Silzer leaves the U of A after three decades**

By Richard Cairney

A photograph taken in 1965 shows Brian Silzer sitting on the front stairway of the University of Alberta Administration Building, during his freshman year. Silzer's friends joke that he hasn't gone anywhere since. In one way that's true, but he's sure come a long way.

Silzer, the U of A's registrar since 1984, has been employed with the university in one capacity or another for 32 years. He retires at the end of April.

The first job Silzer ever took with the U of A was in the office of the registrar. A student, he had just quit a summer job at a construction site and walked into the student employment office wearing steel-toed boots, a pair of jeans and no shirt.

"They told me there was a clerical job opened in the registrar's office and I kind of chuckled at that," he said. "Then I realized I'd just quit my job and I should take whatever I could get. I asked 'what would I have to do to get this job?' and they said 'well, you'll have to put on some better clothes than that.' "

At home, Silzer and his wife picked out the best clothes he had. "I didn't own much of what you'd call business class, I guess."

By all accounts, he cleaned up pretty well.

"The first day I started working here, Brian was starting a new job as a liaison officer in the admissions area. He was a young whipper-snapper with sideburns and hair," said Louise Taylor, assistant registrar, admissions. "Brian is a long-time friend and mentor."

Silzer never intended to spend his career at the U of A. When he earned his education degree he was ready to begin a career as a teacher.

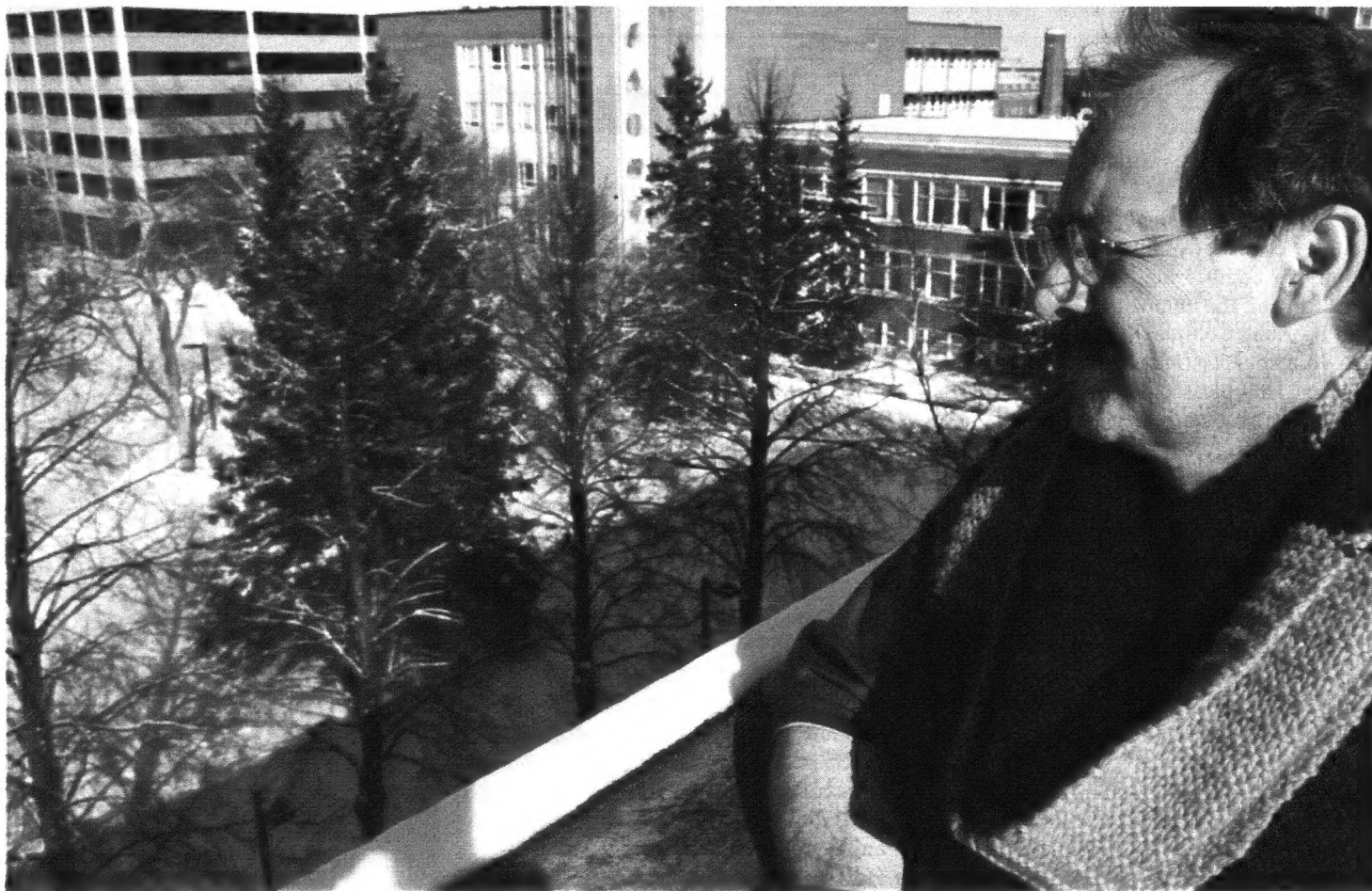
"My first real job was to be a teacher at an Edmonton high school. I had an offer and I was ready to go and leave," he said.

But the registrar's office had other ideas.

"They made the argument that I should be their first high school liaison officer and that I could always go teaching later."

Silzer took the bait, hook, line and sinker. "To this day, I haven't been able to make it out there."

That's probably because he's always



U of A Registrar Brian Silzer soaks up the view of campus from atop the Administration Building. Silzer has retired after 32 years of service.

enjoyed working at the U of A, including a five-year stint as secretary to the board of governors. When he was appointed registrar in 1984, the university had made improvements to the registrar's office a priority.

At the time, students were required to walk from department to department to have old IBM computer cards punched for each class they registered in, then bring those cards to the arena, stand in line again, and have the information processed and entered into a mainframe computer.

"It was awful," said Silzer. "They had to walk all over campus and if it rained they'd bring in a stack of soggy cards."

Compounding the problem was the fact that computers required to distil the

data were growing scarce. In 1984, Silzer's assistant had to load up the cards in the back of a van and drive them to a computer in Winnipeg. That same year, Silzer attended a conference at Brigham Young University in Utah.

"My top order was to change the registration system, which was on its last legs. And here these guys were, talking about phone registration. I just said 'thank you, Lord.' I didn't change faiths or anything but we went to school on it and the next year we became the first Canadian university to go with telephone registration."

That innovation wasn't as simple as it sounds.

"We didn't have a fallback plan," he admits. "This was going to work—or I'd

"We didn't have a fallback plan. This was going to work—or I'd probably have the shortest tenure of any registrar in North America."

—Brian Silzer

probably have the shortest tenure of any registrar in North America."

If he has any regrets, it's that he won't be around when U of A student registration goes online this fall.

Silzer's make-it-happen attitude has served the U of A well, colleagues say.

"He is easy going, has an instinctive sense of U of A culture and an almost magic way of working his way through the politics at the U of A," said Provost and Vice President (Academic) Dr. Doug Owram.

Now, Silzer is putting his talents to work at UBC, where he has been made registrar.

"Let's hope he doesn't have an accident when he's in Vancouver because he will bleed green and gold," said long-time colleague David Norwood. "He always put the interests of the university ahead of anything else." ■

## Clearing the air in air pollution research

**Research influences public policy**

By Stephen Osadetz

Warren Kindzierski, a University of Alberta Professor of Environmental Engineering, is conducting research that could change the air we breathe. New air-quality regulations approved by the Canadian Council of Ministers of the Environment over the past two years have been directly influenced by Kindzierski's research into and assessments of air quality.

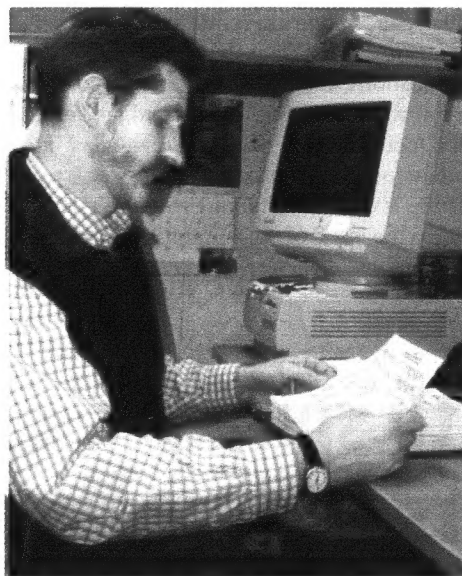
These new regulations are part of an initiative by the provincial and federal governments to agree on identical air-quality standards for all provinces. Up until now, all legislation has been provincial, so what industry must adhere to in Alberta is not necessarily what it would have to adhere to in any other part of the country. The harmonizing regulations, which haven't yet taken effect, seek to control six major classes of airborne pollutants.

Specifically, Kindzierski's own research tries to both assess air quality and refine techniques for identifying where air pollutants come from. "The particles themselves are related to adverse health responses, but we're only just beginning to understand the chemistry behind these effects,"

he said. "While there's a lack of understanding of the exposure-response relationship, that shouldn't preclude us from trying to protect the public."

Kindzierski primarily uses two techniques to identify where air pollution is coming from: he takes an "elemental fingerprint" of the air and uses a back trajectory to calculate where the wind is coming from. The challenge is to pinpoint the source of air pollution. "There is a need to identify better methods to try and understand the importance of sources," Kindzierski said. "There's always new equipment and analysers, and we're trying to combine our resources to be more accurate in our analysis." The ultimate goal is to be able to detect very small concentrations of pollutants while also being absolutely sure of their source.

In one experiment, Kindzierski and one of his students assessed the air quality in the town of Devon, about 20 km southwest of Edmonton, thinking it would be a good example of background pollution because of its lack of major industry. What they found was that arsenic was being released by local power



Dr. Warren Kindzierski

plants. Though the arsenic wasn't of a level that was dangerous to human health, this case illustrates how ubiquitous air pollutants have become.

As the head of Chemical Risk Assessment for Alberta Health in

Edmonton in the early 1990s, Kindzierski became deeply interested in protecting the province's air quality. "I would say 90 per cent of the issues I was dealing with had to do with air pollution," Kindzierski said. But one of the frustrations of his job was that he couldn't develop new methods for tracking where pollution originates. When an opportunity to do just such research at the U of A presented itself, he made the campus his new home.

The greatest difficulty Kindzierski faces in his research is finding funding. "Organizations aren't always interested in finding out if they're contributing to poor air quality," he said. "I'm not trying to point fingers; I'm just trying to understand what is contributing to air pollution. If we need to take action to improve air quality, we have to have the right information to make the proper decisions."

Stephen Osadetz is a third-year student and part-time science writer for Folio and ExpressNews. His writing position is funded by NSERC and is part of a program called SPARK, which aims to involve students in the dissemination of research. To suggest story ideas, write Stephen at [sosadetz@ualberta.ca](mailto:sosadetz@ualberta.ca). ■



# Embraced by his past, looking to the future

*Haunted by the ghosts of Rwanda, Lt.-Gen. Romeo Dallaire sets out to protect children*

By Richard Cairney

His warnings of an impending slaughter were ignored. The United Nations continually rejected his pleas for reinforcements to prevent the genocide of Rwandan Tutsis killed at the hand of reigning Hutus. And while he was in command of a UN peacekeeping force in the East African nation, rivers ran red with the blood of massacred innocents. An estimated one million lives were lost.

Retired Lieutenant-General Romeo Dallaire has never fully recovered from these events. His personal life and military career fell apart publicly as he wrestled with nightmares and flashbacks associated with post-traumatic stress disorder. He has attempted suicide twice, trying to forget Rwanda. Once, after being reported missing days earlier, he was found curled in the fetal position and unconscious on a park bench in Hull, Quebec.

Lt.-Gen. Dallaire is using those experiences to the benefit of children affected by war. He will deliver the annual University of Alberta Visiting Lectureship in Human Rights on March 25 at the Myer Horowitz Theatre. He's in good company: the lecture series opened four years ago with Archbishop Desmond Tutu delivering the inaugural address, followed by Louise Arbour, named the UN Security Council's Prosecutor for the International Criminal Tribunals for the former Yugoslavia and Rwanda. And amidst the terror of Rwanda's genocide, Dallaire met last year's speaker, Dr. James Orbinski, past president of Doctors Without Borders.

"I know him (Orbinski) very well," Dallaire said. "He was in Kigali with me. He arrived during the genocide and we worked closely together. He took over a hospital in Kigali that had, at one point, probably 5,000 people hanging all over it."

Dallaire now serves as special advisor on war-affected children to the Canadian International Development Agency. Children are affected by war in many ways, he says. Some are displaced. Some are killed. Some are forced into sexual slavery. Some become killers.

"There are many young kids scared half to death or drugged up and killing as front-line troops. And that is a completely new dimension, actually using 12, 13, and 14-year-olds as front-line crack troops."

The fact that children are unable to handle heavy weapons doesn't deter those who command them. Dallaire is also working for the department of foreign affairs on the issue of international control of small arms—the weaponry of choice for child soldiers. Dallaire knows this firsthand. He has seen child soldiers in action and recently met with former child soldiers in Sierra Leone.

"These are kids who are 12 or 15, going on 30," he said. "You can't settle on sending them to school and teaching them Dick and Jane. They have controlled such power that you have to give them a more advanced education, something more attuned to adult education."

He's worried that too much faith is being put in the ability of family and community to heal children who return from the front lines.

"There is reasonable help there but not to the depth that we will be able to handle some of these young people who were leaders in the bush. You see them in demobilization camps and they are still leaders and you really want them to be healthy and concentrating on new education so they will pursue justice in the world and not go back into the bush.

"There are very few therapists and a number of these children, particularly girls, have suffered rape and have been scarred and suffer horrific post traumatic stress disorder. There is a lot of hurt there



The Canadian Press

Lt.-Gen. Romeo Dallaire (Ret.), shown here heading a UN peacekeeping force at the Kigali airport in Rwanda in 1994, is tapping his military experience to promote change in different ways.

that is going to come out one day . . . my experience is that they still have got to bring in longer-term therapists."

The practice of using children as soldiers is relatively new, says Dallaire, who knows it's difficult for most people to comprehend such an unthinkable act when, in our own culture, many people cringe at the sight of a child playing with a toy gun.

If the mere concept is difficult to grasp, the reality is almost impossible to accept. "If you've got a young boy, uneducated and coming from a difficult period of conflict, give that kid a rifle and you've created a pretty strong man there, even though he might be 13 or 14," he said. "And that machismo coming from having the weapon makes some of them just enjoy what they do."

Did Dallaire see that sort of thing in Rwanda? "Oh yeah. Many, many people were killed by children or young adults."

Yet the old soldier, a career military man, didn't see killers when he met with the children. He didn't recognize anything that created a common bond between himself and the so-called soldiers.

"I did see my own kids in them, though," he said. "I believe that every child is the same."

Dallaire admits he found his recent journey to Africa was difficult to make, opening old wounds.

"I had a couple of flashbacks," he con-

fides. "But generally speaking I thrived on it and saw a number of things, things I've seen before, yet I didn't shun it or react in such a way as to become ineffective. I felt I had strength. I wasn't surprised by anything, so I could cut through it and get to the problem areas."

The trip made him think of Rwanda, a country he fell in love with despite the horrors visited upon it. Dallaire has made no secret of his admiration for a country he once confused with Hell, as tribal warfare raged.

"My soul is still there with the hundreds of thousands of people, many of whom I knew, many who expected us to do much more," he said. "The country is like the third week of June all the time. It's a paradise. The birds are so beautiful they look like flowers. It is a lush country with beautiful, extraordinarily deep, cultured people . . . I do believe that, given the right circumstances, they can reconcile even these horrific things. I believe the women and children are those who will bring about reconciliation."

"I hope to go back and become, as one says, a pilgrim—to go to the different schools and stuff like that."

He speaks of his soul, and he speaks of evil and although he was raised in a Catholic family, he doesn't claim to be a man of especially strong faith. But in the midst of the Rwandan genocide he came to believe in the existence of God. "I felt

there was the reality of a presence of another entity, particularly after I had been negotiating with the devil—the militia leaders and so on."

Dallaire now spends time reviewing documents and making policy recommendations, approaching the same old problems in a bureaucratic manner. This fall, he will join the Carr Centre for Human Rights policy at Harvard University and will publish his memoirs from Rwanda. He will continue to deliver lectures to raise awareness of the horrors of war. He is anxious to visit Afghanistan, feeling the sooner help is provided the more effective it is. And although the fighting between Palestinians and Israelis is being conducted in a modern city, Dallaire says children on both sides of that conflict are suffering the same ill effects as they would in a more traditional battlefield.

"It's different in nature but just as horrific," he said.

Dallaire believes he was, to a degree, effective as a peacekeeper in Rwanda, and that his new line of work will make a difference as well.

"Everything makes a difference," he said. "The timeframe I work in is decades and centuries with people joining the forces of humanity. We will come to a time when people respect each other. We will eliminate conflict. As a middle power Canada has all sorts of opportunities to lead in this area." ■

"My soul is still there with the hundreds of thousands of people, many of whom I knew, many who expected us to do much more. The country is like the third week of June all the time. It's a paradise. The birds are so beautiful they look like flowers. It is a lush country with beautiful, extraordinarily deep, cultured people."



# positions

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPPA). The University of Alberta hires on the basis of merit. We are committed to the principle of equity of employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

## RESEARCH FUNDING ANALYST / INFRASTRUCTURE PROGRAMS SPECIALIST RESEARCH GRANTS OFFICE

This position is a distributed resource, providing expertise, direction and assistance to faculties and departments with respect to the administration of research infrastructure programs. It provides leadership and facilitation (liaising between faculties, central administrative offices such as supply management services, research grants office and financial services), with respect to post-award management issues, including ensuring and facilitating: the preparation of infrastructure programs (CFI, ASRIP) claims and post-award budgets and reports; appropriate project management; appropriate program funds-management training within faculties; appropriate operation of accountability systems (including expenditure monitoring); and the provision of post-award general information to faculties and projects.

### Specific Accountabilities:

- Ensure and facilitate the preparation of claims and final budget documents for CFI and ASRIP programs;
- Ensure and facilitate the preparation of required reports (financial and outcomes/progress reports) to sponsors;
- Ensure appropriate training of project administrative staff;
- Ensure availability and eligibility of required project partner funding;
- Lead in the development and operation of a post-award accountability system for CFI/ASRIP programs;
- Negotiate inter-institutional agreements related to CFI/ASRIP approved projects;
- Facilitate agreement on terms of reference for CFI/ASRIP operating collaborations (large projects crossing departments, faculties, and universities);
- Provide monitoring and oversight in all CFI-related partner funding use;
- Develop systems for and ensure compliance with CFI Guidelines for Operating Funding;
- Work with CFI Coordinator and Project Leaders at the application stage to develop realistic project parameters and budget requests.

### Qualifications:

A minimum of a Bachelor's degree is required, supplemented by additional training in financial management, project management and information technology applications. Senior experience in an administrative capacity, preferably in a university setting is required. Experience in project management and co-ordination is required. Strong communication skills; strong administrative capability; proven leadership skills, and well as the ability to multi-task and manage multiple demands within time constraints are required. Familiarity with university research is an asset, as well as familiarity with University of Alberta administrative systems.

### Reporting:

While this position's work focuses primarily within faculty and departments, it reports formally to the director, research grants office (RGO), and has a strong working relationship with the CFI co-ordinator within RGO. This is a one-year temporary contract with possi-

bility of renewal. The salary range is \$ 37,400 to \$60,200 per annum. Interested candidates are asked to submit a résumé no later than April 5, 2002 to:

Colleen Mead  
Director, Research Grants Office  
1-05 Assiniboia Hall  
University of Alberta  
Edmonton, AB T6G 2E7

## EXECUTIVE ASSISTANT OFFICE OF EXTERNAL RELATIONS

Serving more than 30,000 students in both undergraduate and graduate programs, the University of Alberta is indisputably recognized as one of Canada's largest and most successful research-intensive universities.

Reporting to the vice-president (external relations), the executive assistant is accountable for maintaining effective and efficient operations and providing strategic support to the vice-president and to the external relations portfolio. The executive assistant builds relationships with key members of external relations, the campus and external community, and is responsible for the operations of the vice-president's office. The incumbent will have comprehensive knowledge and background in the management of human and financial resources, strategic planning and communications and will be responsible for:

- Providing strategic counsel and advice to the vice-president on human resource, financial and other matters;
- Co-ordinating effective communications for the vice-president within and outside of the portfolio;
- Identifying issues for the vice-president's attention and ensuring the vice president has well-researched information in order to make sound decisions;
- Managing the budget of the Office of the Vice-President and providing comprehensive support to the external relations' strategic planning and budget planning processes;
- Managing and mentoring staff, fostering co-operative teams, and implementing programs to build an atmosphere of trust.

### Requirements:

- Significant experience in providing strategic advice and support to senior executives;
- Proven financial management, strategic planning, human resources and budgeting experience;
- Superior written and verbal communications skills, analytical and organizational skills;
- An undergraduate degree;
- Experience in one or more of the following areas: public relations, communications, fundraising, government relations, alumni affairs.

This position is a full-time continuing position within the Administrative Professional Officer segment of the AAS:UA collective agreement and includes a comprehensive benefit package.

Salary range: Currently under review

Please send in confidence a résumé by April 5, 2002 to:

Susan L. Green  
Vice President, External Relations  
University of Alberta  
3-12 University Hall  
Edmonton, Alberta, T6G 2J9

# talks & events

Submit talks and events to Cora Doucette by 9 a.m. one week prior to publication. **Effective March 22 Folio Talks and Events listings will no longer accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at:**  
<http://www.expressnews.ualberta.ca/ualberta/L2.cfm?c=10>

## EVERY THURSDAY UNTIL APRIL, 2002

**The Campus Observatory**, roof and 7th floor of the Physics Building, is open for the 2001-2002 academic year. Open to everyone on Thursday evenings (except exam and holiday periods) beginning at 8:00 p.m. Special nighttime or daytime group visits can be arranged for other days and times. The Observatory will be open regardless of weather conditions. On cloudy nights a slide show can be substituted for telescopic observing. Reservations not required. For additional information, please contact Adam Pigeon, S.P.A.C.E. (Students Promoting Astronomy Culture and Education) – new club formed by the undergraduate student volunteers, [apigeon@ualberta.ca](mailto:apigeon@ualberta.ca), or Doug Hube, 492-5410, or Sharon Morsink, 492-3987.

## THURSDAY EVENINGS UNTIL APRIL, 2002

**Spanish Language Cafes.** Parkallen Pizza, 8424 – 109 Street (not the original Parkallen restaurant, but their new pizzeria branch). Who's invited? Students at all levels, from beginner to advanced. Casual and practical conversation in an informal atmosphere. 7:00 p.m.

## JANUARY 22 TO MARCH 26, 2002

**Student Counselling Services.** "Developing Relaxation Strategies." Student Counselling Services offers an 8-session group to those who are interested in developing various relaxation techniques. Location: Student Counselling Services, 2-600 Students' Union Building. Tuesdays from 11:00 to 11:50 a.m. Please note: Participants must register in advance and meet with the facilitator prior to the start of the group. Visit Web site at [www.ualberta.ca/~uscs](http://www.ualberta.ca/~uscs) for more information, or call 492-5205.

## FEBRUARY 20 TO MARCH 26, 2002

**University Extension Centre Gallery.** "Alberta Watercolour Tradition." The purpose of this exhibition is to give our students and publics an opportunity to view a diverse approach to watercolour painting and therefore to stimulate their interest and appreciation of this versatile medium. Second floor, University Extension Centre, 8303 – 112 Street. Gallery hours are from 8:30 a.m. to 8:00 p.m. Monday to Thursday, 8:30 a.m. to 4:30 p.m. Friday, and 9:00 a.m. to 12:00 noon Saturday. For further information, please call 492-3034.

## MARCH 22 TO 24, 2002

**Department of Linguistics** hosting WSCLA 7: Seventh Annual Workshop on Structure and Constituency in the Languages of the Americas. "Convergence and Divergence: Language Variation within and across Language Families." This is the biggest WSCLA yet, with 38 speakers (including 7 plenary lectures) from 25 post-secondary institutions and 6 different countries. Telus Centre for Professional Development, 111 Street and 87 Avenue. Visit Web site: [www.arts.ualberta.ca/~linguist/WSCLA.htm](http://www.arts.ualberta.ca/~linguist/WSCLA.htm)

## MARCH 22

**Career and Placement Services (CaPS).** Workshop "The Academic Interview – Advice for Perfecting Your Interview Skills." NEW for graduate students! Workshop fees range from \$10 to \$20. Pre-register at CaPS, 2-100 Students' Union Building. For a complete listing of upcoming events, check our Web site at [www.ualberta.ca/caps](http://www.ualberta.ca/caps). Room 4-02 Students' Union Building. 12:00 to 1:00 p.m.

**Department of Biological Sciences.** Ecology Seminar Series (part of the Biology 631 Seminar Series). Mark Hebblewhite, "Wolf and Elk Population Dynamics in Banff National Park." BS M-149, Biological Sciences Building. 12:00 noon.

**Computing Science Department.** Lenhart Shubert will be speaking on "Facts from Fiction: Gleaning General World Knowledge from Texts." Room 3-33 Computing Science Centre. 12:00 noon.

**University Teaching Services.** Joe Norris, Secondary Education, presents "C5: Civility, Citizenship, and Community Construction on Campus." Room 4-104 Education North (Drama Education Studio). From 1:30 to 3:30 p.m.

**Dept of Accounting and MIS.** Accounting Recruit Seminar. Andres (Sandy) Hilton will present a paper on "The Role of Regulation and Enforcement in Securities Market Interpretation of Accounting Information." Banister Rm. 4-16 Business Bldg. Time 2:00 – 3:30 p.m.

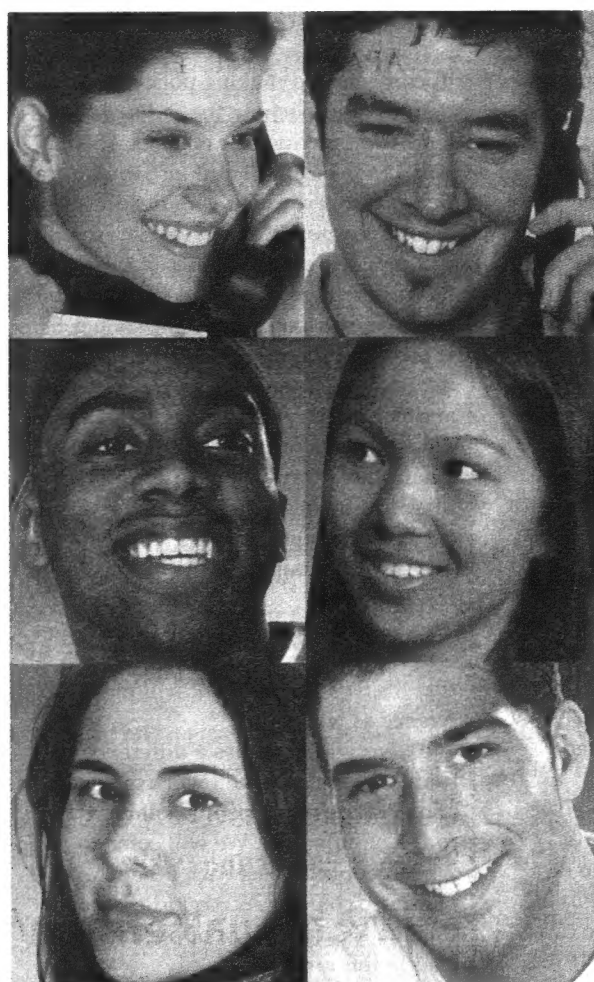
**Centre for Research on Literacy.** Literacy Research Seminar Series. Heather Blair, Department of Elementary Education, University of Alberta and Kathy Sanford, Department of Curriculum and Instruction, University of Victoria, present "Boys R Us: Engendering Literacy for Boys." Room 651a Education South. 3:00 p.m.

**Earth & Atmospheric Sciences.** The Institute for Geophysical Research and The Department of Earth & Atmospheric Sciences present a talk by Chieftain International Inc. Visiting Speaker Dr. David Chapman of the University of Utah entitled "Thermal geophysics at the turn of the Millennium: looking back and looking forward." Room 3-36 Tory Building. From 3:00 to 4:00 p.m.

**Department of Philosophy.** Philosophy Colloquium. Leah Armontrout, Paul Beach and David Kahane, Department of Philosophy, University of Alberta, are presenting a workshop on "Teaching Philosophy." All welcome. Room 3-10 Business Building. 3:00 p.m.

**Department of History and Classics.** Colloquium Series. Dr. Paul R. Magocsi, University of Toronto, "On the Writing of the History of Peoples and Nation-States: The Cases of Poland, Slovakia and Ukraine." Room 2-58 Tory Building. 3:00 p.m.

**Department of Biological Sciences.** Genetics 605 Seminar Series. Molecular Biology and Genetics Research Group. Dr. Curt Wittenburg, Department of Molecular Biology, Scripps Research Institute, La Jolla, California, USA, speaking on "Roles of SCF-Mediated Proteolysis in cell Cycle and



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Transcriptional Control." M-149, Biological Sciences Building, 4:00 p.m.

## MARCH 23

### Faculty of Rehabilitation Medicine.

Presented by the Rehabilitation Research Centre, Faculty of Rehabilitation Medicine. Education workshop designed for Grad students, Post-Doctoral Fellows, Researchers. Title: "The Nuts and Bolts of Interview Research: Practical Tips from Beginning to End." Presenters: Wonita Janzen, PhD, Sandra MacPhail, MN, Eleanor Stewart, PhD Candidate. From 9:30 a.m. to 3:30 p.m. Location: Room 2-41 Corbett Hall. Lunch provided. Advance registration: \$35.00, after March 15, \$40.00 (no GST). Print the registration form from [www.rehabmed.ualberta.ca/rrc](http://www.rehabmed.ualberta.ca/rrc) OR request forms from Eleanor Stewart at 492-7499.

### Career and Placement Services (CaPS).

Workshop "Creating Resumes and Cover Letters that Work!" Workshop fees range from \$10 to \$20. Pre-register at CaPS, 2-100 Students' Union Building. For a complete listing of upcoming events, check our Web site at [www.ualberta.ca/caps](http://www.ualberta.ca/caps). Room 4-02 Students' Union Building. From 9:00 a.m. to Noon.

### Career and Placement Services (CaPS).

Workshop "Interview Skills." Workshop fees range from \$10 to \$20. Pre-register at CaPS, 2-100 Students' Union Building. For a complete listing of upcoming events, check our Web site at [www.ualberta.ca/caps](http://www.ualberta.ca/caps). Room 4-02 Students' Union Building. From 1:00 to 3:30 p.m.

**U of A Philosophers' Café:** an opportunity for the public to engage in informal, lively conversation about philosophical or topical issues. Topic: "Is Democracy Possible?" Guest scholar: Martin Tweedale, Professor of Philosophy. Moderator: Bernard Linsky, Chair of Philosophy. Location: Nina's Restaurant, 10139 - 124 Street. From 2:00 to 3:30 p.m.

**Department of Music.** Northern Alberta Honor Band. Fordyce Pier, Director. Convocation Hall, Arts Building. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. Free admission. 7:00 p.m.

**Faculty of Extension.** The Certificate Program in Medical Acupuncture is hosting a free public lecture at the University Extension Centre, Room 3-40. Presented by Dr. Bernard Brom, Chairman of South African Society of Integrative Medicine. Topic "Integrative Medicine in the 21st Century, A quantum leap about to happen." From 7:30 p.m. to 9:30 p.m.

## MARCH 24

### Career and Placement Services (CaPS).

Workshop "Resume and Cover Letter Writing for Education Students." Workshop fees range from \$10 to \$20. Pre-register at CaPS, 2-100 Students' Union Building. For a complete listing of upcoming events, check our Web site at [www.ualberta.ca/caps](http://www.ualberta.ca/caps). Room 4-02 Students' Union Building. From 9:00 a.m. to Noon.

### Career and Placement Services (CaPS).

Workshop "Interview Skills for Education Students." Workshop fees range from \$10 to \$20. Pre-register at CaPS, 2-100 Students' Union Building. For a complete listing of upcoming events, check our Web site at [www.ualberta.ca/caps](http://www.ualberta.ca/caps). Room 4-02 Students' Union Building. From 12:30 to 3:00 p.m.

## MARCH 25

**Centre for Research for Teacher Education and Development.** Seminar discussion with Dr. Celia Oyler, Teachers College Columbia University. Topic: "Teaching for Social Action." Room 633 Education South. From 11:00 a.m. to 12:00 noon.

**Department of Art and Design.** A One Day Art Exhibition and Sale by Faculty and Graduate Students of the Department of Art and Design, "Just Dessert." Location: Faculty Club. From 11:30 a.m. to 9:30 p.m. For further information, please call Graham Peacock at 709-7688, or email: [grahampeacock@v-wave.com](mailto:grahampeacock@v-wave.com).

### Earth & Atmospheric Sciences.

Atlas Seminar. Dr. Paul Spry from Iowa State University will present "unusual rock types associated with metamorphosed massive sulphide deposits and their use as exploration guides." For more information, please contact Jeff Lonnee at 492-9237 or email: [jlonnee@ualberta.ca](mailto:jlonnee@ualberta.ca). Room 3-36 Tory Building. From 12:00 to 1:00 p.m.

### University Teaching Services.

Representatives from the Office of the Vice-President (Academic) and the Office of the Registrar and Student Awards, as part of the Brown Bag Lunch Series, present "New Grading System." Room 219 Central Academic Building. 12:05 to 1:00 p.m.

### Department of Music.

Noon-Hour Organ Recital. The recital presents a variety of organ repertoire played by students, faculty and guests of the University of Alberta. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. Convocation Hall, Arts Building. Free admission. 12:00 p.m.

**Departments of Biochemistry, Cell Biology, Medicine, and Pediatrics.** Molecular and Cell Biology of Lipids presents Dr. Stephen Young, Professor of Medicine, University of San Francisco, speaking on

"Rcel, lomt, and Zmpste24: Genes Involved in the Posttranslational Processing of Isoprenylated Proteins." Room 207 Heritage Medical Research Centre. Hosted by Dennis Vance and the CIHR Group on Molecular and Cell Biology of Lipids. Sponsored by AHFMR and Bayer Corporation. 3:00 p.m.

**Department of Philosophy.** Philosophy Colloquium. John Bell, Department of Philosophy, University of Western Ontario, speaking on "Infinitesimals and the Continuum." Room 1-10 Business Building. 3:00 p.m.

**Department of Sociology.** Professor George Sefa Dei, Associate Chair and Graduate Coordinator, Department of Sociology and Equity Studies, Ontario Institute for Studies in Education of the University of Toronto (OISE/UT) will be speaking on "Anti-Racism and Spirituality: Making Discursive Connections." Room 5-15 Tory Building. From 3:00 to 5:00 p.m.

### Computing Science Department.

Distinguished Lecture Series. Aristides Requicha, Laboratory for Molecular Robotics, University of Southern California, presents "Nanorobotics." Room 243, Central Academic Building. 3:30 p.m.

### Department of Linguistics.

Colloquium Series. Ronald W. Langacker, Department of Linguistics, University of California, San Diego, presents "Integration, Grammaticization, and Constructional Meaning." Room 4-70, Assiniboia Hall. 4:00 p.m.

### Earth and Atmospheric Sciences.

Atlas Seminar. Dr. Paul Spry from Iowa State University will present "the origin of alkaline igneous rocks related gold-silver telluride deposits." For more information, please contact Jeff Lonnee at 492-9237 or email: [jlonnee@ualberta.ca](mailto:jlonnee@ualberta.ca). Room 3-36 Tory Building. From 4:00 to 5:00 p.m.

### Visiting Lectureship in Human Rights.

Lieutenant General (Retired) Romeo Dallaire will deliver the 2001/02 Visiting Lectureship in Human Rights on Monday, March 25, 2002, 7:30 p.m., at the Horowitz Theatre. Tickets are \$10 and are on sale through Ticketmaster. For more information: <http://www.ualberta.ca/~lecture>

### Department of Music.

Double Bass Masterclass with Visiting Artist Joel Quarrington. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. Convocation Hall, Arts Building. Admission at the door: \$15. 7:30 p.m.

## MARCH 26

**Lunch and Learn Presentation.** "Work/Life Balance" (3 part series). Part 1: "Getting back to the basics." Presenter: Charlene Weiss, H.J. McLeod & Associates. Presented by the Health Recovery Support Unit. Location: Heritage Lounge, Athabasca Hall. From 12:00 p.m. to 1:00 p.m. Cost: Free! Snacks and beverages will be provided. To register or for more information contact Sarah Treby at 492-0659 or email: [sarah.treby@hrs.ualberta.ca](mailto:sarah.treby@hrs.ualberta.ca) or visit Web site [www.hrs.ualberta.ca/efap/news](http://www.hrs.ualberta.ca/efap/news) for an updated list of all workshops and other offerings.

### Human Ecology Research Seminars.

Aleksandra Przybylo, M.Sc. Candidate, presents "In Their Own Words: Needs assessment of adolescent immigrants in Edmonton." Room 305 Human Ecology Building. From 12:30 to 1:30 p.m.

**Academic Support Centre.** Workshop for students. "Exam Preparation." Call 492-2682 to register. \$20. From 1:00 to 2:30 p.m.

**Panel Discussion.** This year's theme is "What are you going to do after your degree?" Women speak on their successful careers and lives in science and engineering. Learn from their experiences, ask questions, and make valuable contacts. Everyone is welcome. BioSci Conference Room (CW 410). For more information, please contact Stefanie Lee, email: [wisest@chem.ualberta.ca](mailto:wisest@chem.ualberta.ca). Sponsor - UA-WISE (Women in Science and Engineering). Time: 5:00 to 7:00 p.m.

## MARCH 27

**Department of Cell Biology.** AHFMR Guest Speaker, Dr. Calvin Roskelley, Assistant Professor, Departments of Anatomy and Ob/Gyn, University of British Columbia. Topic: "Mesenchymal Transformation in the Breast and Ovary: A Tale of Two Tissues." Room 5-10 Medical Sciences Building. From 9:30 to 10:30 a.m.

### Department of Public Health Sciences.

Colloquium and Grand Rounds presents: Dr. Wendy Austin, Associate Professor, Faculty of Nursing. Topic: "Health Ethics in an Era of Globalization." Room 2-117 Clinical Sciences Building. From 12:00 noon to 1:00 p.m.

### Sigma Xi annual meeting and lecture.

Lecture by Mark Boyce, Biological Sciences, University of Alberta, on "Conservation and science in Alberta." Happens in the Papaschase Room, Faculty Club. The time is to be announced. This lecture is a part of the U of A chapter of Sigma Xi's annual meeting and banquet.

**Academic Support Centre.** Workshop for students. "Exam Preparation." Call 492-2682 to register. \$20. From 4:00 to 5:30 p.m.

### Mathematical Sciences.

Town and Gown Public Lecture featuring speaker: Professor K.P. Haedler, University of Tubingen. Topic: "What is a Niche?" Auditorium at Faculté Saint-Jean. 5:00 p.m.

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## MARCH 22

**Effective March 22 Folio Talks and Events listings will no longer accept submissions via fax, mail, e-mail or phone. Please enter events you'd like to appear in Folio and on ExpressNews at: <http://www.expressnews.ualberta.ca/ualberta/L2.cfm> ?c=10 Deadlines for Talks and Events submissions in Folio remains unchanged - 9 a.m. on the Friday prior to publication.**

### Career and Placement Services (CaPS).

Workshop "Creative Work Search Strategies." Workshop fees range from \$10 to \$20. Pre-register at CaPS, 2-100 Students' Union Building. For a complete listing of upcoming events, check our Web site at [www.ualberta.ca/caps](http://www.ualberta.ca/caps).

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## MARCH 13

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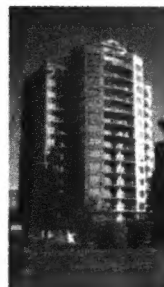
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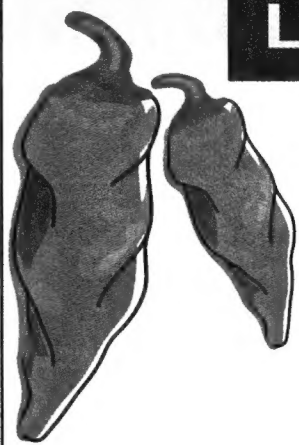


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**Department of Music.** The University of Alberta Symphonic Wind Ensemble. Fordyce Pier, Director. Unless otherwise indicated: Admission: \$5/student/senior, \$10/adult. Convocation Hall, Arts Building. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. 8:00 p.m.

## MARCH 28

**Department of Renewable Resources.** Landscape Ecology Seminar Series. Dr. Sylvie Quideau, Assistant Professor, Department of Renewable Resources, speaking on "The Biotic Soil Forming Factor - Lessons from the San Dimas Lysimeter Installation." Wyatt Lecture Room (236 Earth Sciences Building). From 12:30 to 1:50 p.m.

**Department of English.** Readings by Eden Robinson, University of Calgary. Room 4-29 Humanities Centre. 2:00 p.m.

**Department of History and Classics.** Colloquium. Annual Greyhound Lecture, Cristine Bye, University of Calgary, speaking on: "Times are hard: A Prairie Farm Woman's Experience of the Great Depression." Room 2-58 Tory Building. 3:30 p.m.

**Towards A Global Civilization.** Dr. Glen Eyford, U of A Professor Emeritus (Education) is the speaker at the First Annual Andrew Pemberton-Piggott Memorial Lecture presented by the Campus Association for Baha'i Studies. This event takes place at the Myer Horowitz Theatre on 28 March 2002 at 7:30pm. Admission is free. For more information, please contact David Pittis at [cabs@ualberta.ca](mailto:cabs@ualberta.ca)

**Department of Music.** Faculty and Friends, Joel Quarrington, double bass, Janet Scott Hoyt, piano. Program will include works by Caix d'Hervelois, Korngold, Shostakovich, Brahms and Bottesini. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. Convocation Hall, Arts Building. Admission: \$7/student/senior, \$12/adult. 8:00 p.m.

## FROM MARCH 28 TO APRIL 6

**Studio Theatre** presents Dylan Thomas "Under Milk Wood." This poetic tapestry of scenes of people in a small Welsh town may be harsh or humorous, reflecting the emotions and experiences in our own lives. All performances begin at 8:00 p.m. with matinee on Thursday at 12:30 p.m. For further information, please call the Box Office at 492-2495.

## MARCH 30

**Devonian Botanic Garden** presents "Easter at the Garden." The Garden will be open the day before Easter featuring a plant sale, as well as a garage sale! Reduced admission rates apply. Contact Visitor Services

at (780) 987-3054 for further information. Admission \$2.00 per adult and children under 12 years of age are free. Includes access to the Kurimoto Japanese Garden and all indoor houses. There will also be food at a reasonable cost. From 11:00 a.m. to 4:00 p.m.

## APRIL 2

**Academic Support Centre.** Workshop for students. "Exam Preparation." Call 492-2682 to register. \$20. From 1:00 to 2:30 p.m.

**Community-University Partnership Colloquium.** The Community-University Partnership for the Study of Children, Youth, and Families (CUP) is co-sponsoring a colloquium entitled "Canada's Child Murder Epidemic: An Exploration of Media Influence." Guest speaker: Dr. Dick Sobsey. Location: Grant MacEwan College, Theatre 5-142 in Building 5. From 7:00 to 9:30 p.m. For further information, please check Web site: [www.cup.ualberta.ca/sobsey.html](http://www.cup.ualberta.ca/sobsey.html)

## APRIL 3

**Lunch and Learn Presentation.** "Dealing Effectively with Change." Presenter: Dr. Linda Rose, Wilson Banwell & Associates. Sponsored by the Health Promotion & WorkLife Services. Location: Heritage Lounge, Athabasca Hall. From 12:00 p.m. to 1:00 p.m. Cost: Free! Snacks and beverages will be provided. To register or for more information contact Sarah Treby at 492-0659 or email: [sarah.treby@hrs.ualberta.ca](mailto:sarah.treby@hrs.ualberta.ca) or visit Web site [www.hrs.ualberta.ca/efap/news](http://www.hrs.ualberta.ca/efap/news) for an updated list of all workshops and other offerings.

**Academic Support Centre.** Workshop for students. "Exam Preparation." Call 492-2682 to register. \$20. From 4:00 to 5:30 p.m.

## APRIL 4

**Department of Renewable Resources.** Landscape Ecology Seminar Series. Dr. A. Kare Hellum, Retired Professor, Renewable Resources, presents "Natural Forest Regeneration in Tropical Ecosystems (Bhutan, Thailand, Guiana). Wyatt Lecture Room, (236 Earth Sciences Building). From 12:30 to 1:50 p.m.

**Department of English.** Readings by Shane Rhodes and Jason Dewinetz. Room 4-29 Humanities Centre. 2:00 p.m.

**Department of History and Classics.** Colloquium. Richard Bulliet, Columbia University, speaking on "The Wild and the Tame: The History of Human-Animal Relations." Room 2-58 Tory Building. 3:30 p.m.

**School of Business.** The Centre for Applied Business Research in Energy and the Environment, CABREE, is hosting a panel discussion, on climate change. Title: "Perspective on Kyoto." Speakers include Rick Hyndman and Allan Amey. RSVP required by April 1: Zanne @492-6303, or [zanne.camerson@ualberta.ca](mailto:zanne.camerson@ualberta.ca) or check the Web site: <http://www.bus.ualberta.ca/cabree>. Stollery Centre, 5th Floor, Business Building. From 5:45 p.m. to 7:30 p.m.

## APRIL 5

**Computing Science Department.** Speaker Jerry R. Hobbs presents "Knowledge-Based Discourse Understanding." Room 3-33 Computing Science Centre. Noon.

**Department of Biological Sciences.** Ecology Seminar Series (part of the Biology 631 Seminar Series). Dave Schindler and Cynthia Zutter, "A paleoecological reconstruction of the fire history of Jasper National Park." BS M-149, Biological Sciences Building. 12:00 noon.

**Department of History and Classics.** Colloquium. Richard Bulliet, Columbia University, speaking on "Islam's Crisis of Authority." Location: Humanities Centre, L2. 2:00 p.m.

**Department of Biological Sciences.** Molecular Biology and Genetics Research Group (part of the Genetics 605 seminar series). Ian MacDonald, "Macular degeneration: From gene to clinical trial." Room M 149 Biological Sciences Building. 4:00 p.m.

**Earth & Atmospheric Sciences.** Atlas Seminar. Karsten Michael from the Alberta Geological Survey will present 'subsurface fluid flow in the vicinity of the Rocky Mountains'. For more information, please contact Jeff Lonnee at 492-9237, or email: [jlonnee@ualberta.ca](mailto:jlonnee@ualberta.ca). Time 3:00 - 4:00 p.m. Location: Tory 3-36.

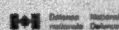
**Regulation of potassium channels and heart function.** Hosted by Department of Physiology & CIHR Membrane Protein Research Group, supported by AHFMR. Speaker: Dr. William Cole, University of Calgary. Time: 3:00 p.m. Place: 207 HMRC.

**Department of Music.** Music at Convocation Hall, William Street, saxophone, Roger Admiral, piano, with The Edmonton Saxophone Quartet: William H Street, soprano saxophone; Charles Stolte, alto saxophone; Kristofer Covlin, tenor saxophone; Jeff Anderson, baritone saxophone. Program will include works by Piet Swerts, Shih-Hui Chen, Patrick Cardy, William Albright, Henri Pousseur, Klaus de Vries, and Gavin Bryars. All concerts and events are subject to change without notice. Please call 492-0601 to confirm concert information. Admission: \$7/student/senior, \$12/adult. 8:00 p.m.

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# BOYS WILL B=BOY

Mykee Swerve and co-instructor Alexis Labarda (far left) put on a clinic for students in their Breakdancing Basics for Beginners class at the Van Vliet Centre.

## Mykee Swerve is converting students to breakdancing

By Richard Cairney

For a few years now social dance classes have been experiencing a renaissance of sorts, with couples teaming up to learn the social grace of the waltzes, the tangos and the rumbas. The re-emergence of big band and swing music has spiced things up, with swing dance classes filling to capacity.

But who could have predicted a revival of breakdancing? "You'd be surprised what goes on in the underground," says Mykee Swerve, who teaches a breakdancing for beginners class at the University of Alberta.

The form became wildly popular for a spell during the '80s then seemed to disappear. Turns out it was evolving—renewing itself and shedding itself of media stereotypes.

Swerve says media hype damaged the form's credibility. Even the term 'breakdancing' is an incorrect description, says Swerve. 'B-Boying' is more acceptable.

"Breakdancing' is a term coined by the media back in the day," said Swerve. "Totally one of the main reasons I am doing the class is to educate people. B-Boying is so underground nobody but us knows about it. The other day I had a friend of mine come over and I showed her some videos of mine from some big events and she had no clue this goes on."

The big events Swerve talks about are B-Boy and B-Girl competitions held near and far.

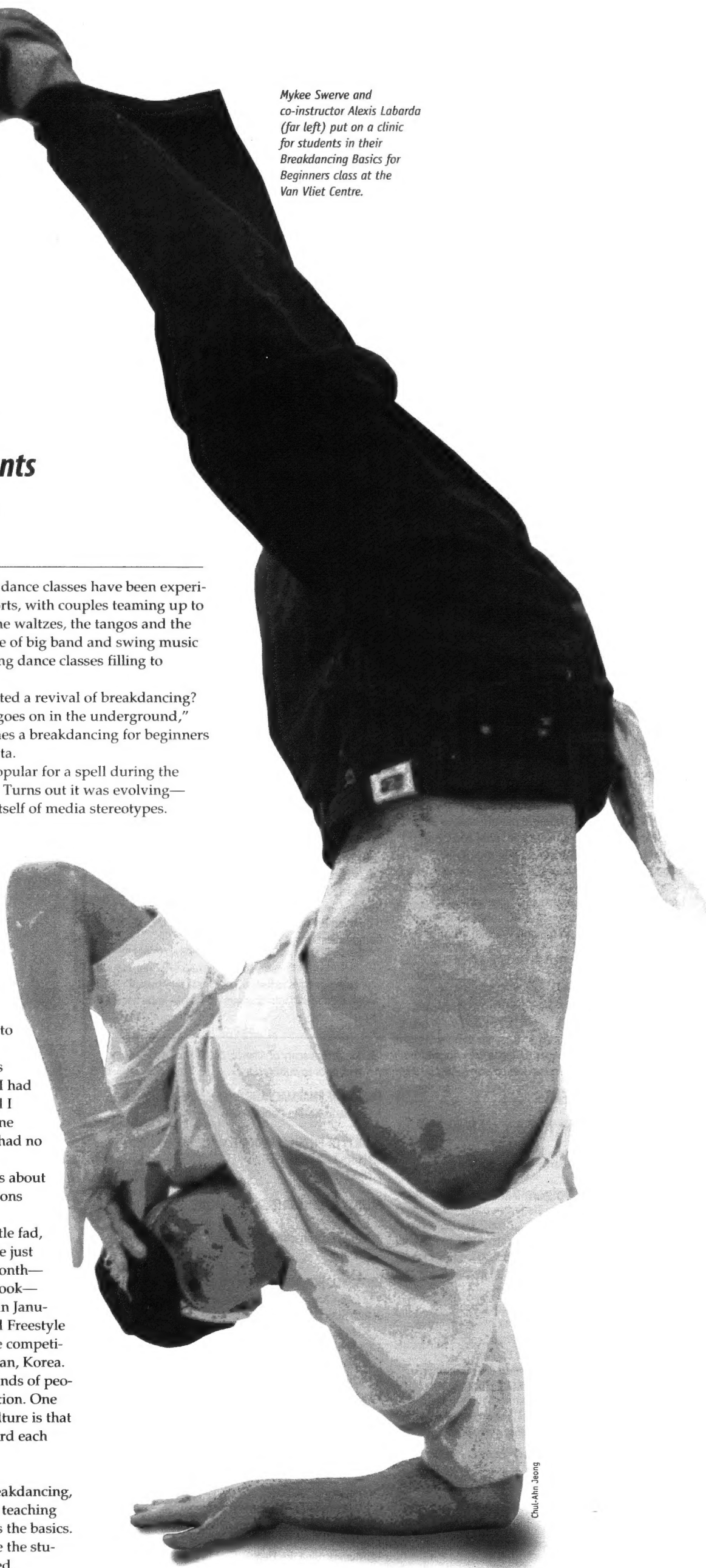
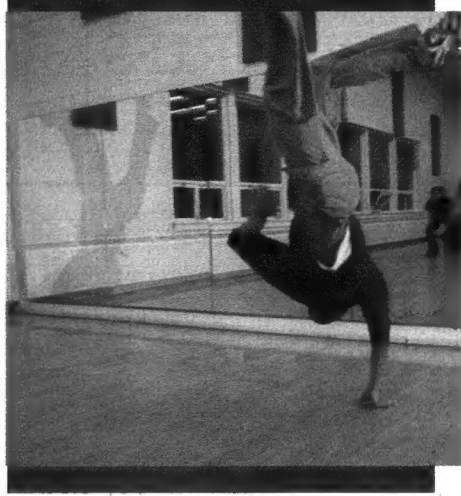
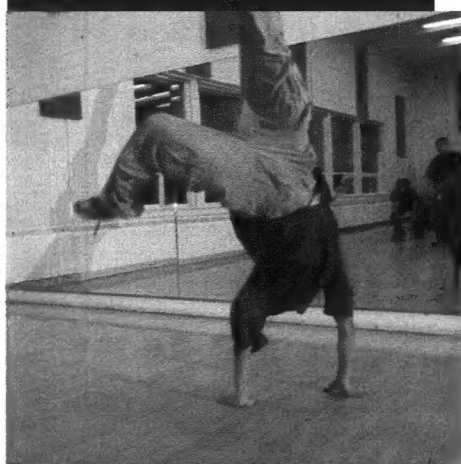
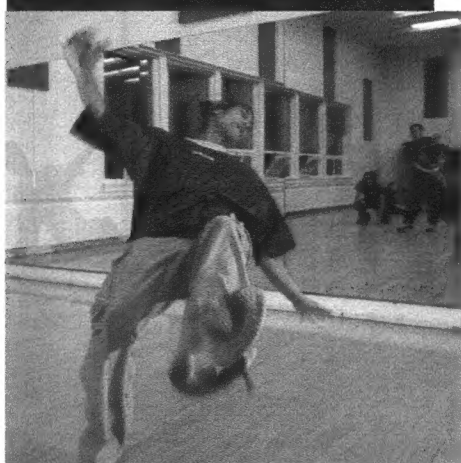
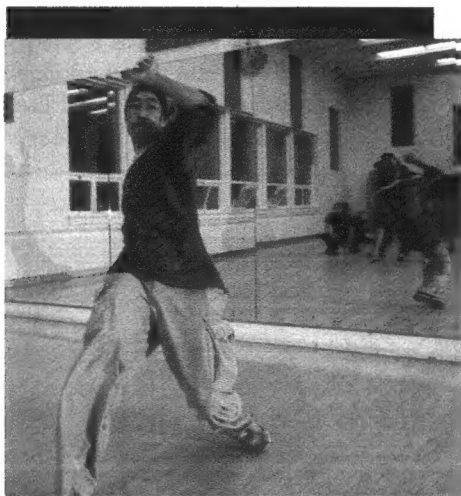
"People assume this is a little fad, but it is a culture we live in. We just had an event in Calgary last month—which was absolutely off the hook—and we just got back from LA in January for a big competition called Freestyle Session. That's like, worldwide competition, people from England, Japan, Korea. It was crazy. There was thousands of people there. It was a total inspiration. One thing I like about the B-Boy culture is that it involves universal love toward each other. It is inspiring to be around."

A relative newcomer to breakdancing, Swerve takes great pleasure in teaching the 20-odd students in his class the basics. He starts off slow, making sure the students don't become discouraged.

"You don't want to turn them off," he said. "Once they start feeling more comfortable you move up to the next level. You are not going to be a B-Boy or a B-Girl without confidence because it is all about confidence and attitude."

It sounds like Mykee Swerve could be a good teacher. In fact, by day, Swerve is Mike Martindale, third-year education student. He's majoring in phys-ed and minoring in art. If he graduates and gets a job teaching phys-ed, will he introduce some of his B-Boy moves in the class?

"Most definitely," he said. "If they have dance as part of the curriculum I'd totally be teaching them this stuff!" ■



Chul-Ahn Jeong

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